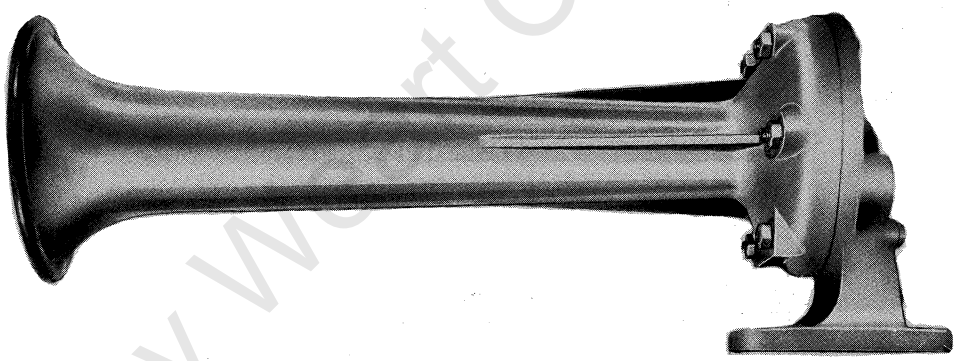
WABCO
An American-Standard Company

PNEUPHONIC HORNS, WHISTLES and WHISTLE VALVES

PARTS CATALOG

(SUPERCEDES ISSUE OF APRIL, 1966)



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WARNING: AT THE TIME ANY PART IS REPLACED IN THIS DEVICE, THE OPERATION OF THE COMPLETE DEVICE MUST PASS A SERIES OF TESTS AS PRESCRIBED IN THE LATEST ISSUE OF THE APPLICABLE WABCO TEST SPECIFICATION. AT THE TIME THIS DEVICE IS APPLIED TO THE BRAKE EQUIPMENT ARRANGEMENT, A STANDING TEST MUST BE MADE TO INSURE THAT THIS DEVICE FUNCTIONS PROPERLY IN THE TOTAL BRAKE EQUIPMENT ARRANGEMENT. (Consult your local WABCO Representative for identity of the test specifications that cover this device).

Westinghouse Air Brake Division

WESTINGHOUSE AIR BRAKE COMPANY/Wilmerding, Pennsylvania 15148

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INDEX – Pneuphonic Horns, Whistles and Whistle Valves

Pc.No.	Parts Name	Page No.
	HORNS	
519828	"A-2"	3
551462	"D-5"	3
546789	"E-2"	4
546507	"B-7"	4
523543	"AA-2"	5

Pc.No.	Parts Name	Page No.
	WHISTLES	
21313	TROMBONE, 12 in.	5
564464	TROMBONE, 6 in.	5
19046	CLARION	5
40920	SIGNAL, Willow Type	6
528638	SIGNAL, Bell Type, Med. Pitch	6
531596	SIGNAL, Bell Type, Med. Pitch, Choked	6
538210	SIGNAL, Bell Type, Low Pitch	6
538406	SIGNAL, Bell Type, High Pitch	6
538770	SIGNAL, Bell Type, High Pitch, Choked	6
540801	SIGNAL, Bell Type, Low Pitch, Choked	6
95659	SIGNAL, "H" Type	6

Pc.No.	Parts Name	Page No.
	WHISTLE VALVES	
92441	"P-1", Brass	6
515869	"P-1", Chrome	6
570628	"P-1", Aluminum	6
540520	"H-6"	7
543973	"H-6"	7
546169	"H-6"	7
548909	"H-6"	7
85776	"A"	7
90391	"H-2-A"	8
90692	"H-2-A"	8
538792	"H-2"	8
519737	"H-2"	8
528805	"H-2"	8
540584	"H-2"	8
529777	"H-3"	8
31422	"H-1"	9
31419	"H-1"	9
533802	"H-4-A"	9

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● NOTE: Complete Piece Numbers Pneuphonic Horns do not include Strainers, but in every installation, there must be included the "OB" Type Air Strainer as noted on each schedule of details. For details of "OB" Type Strainers, see page 10 or Parts Catalog 3216-29.

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"A-2" PNEUPHONIC HORN

Figure 1

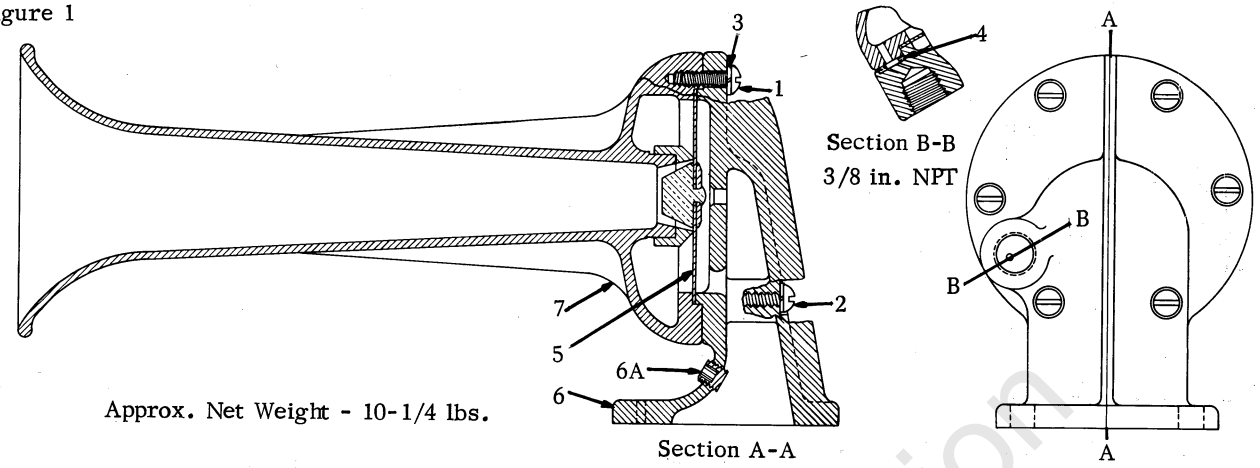

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
1-	519828	"A-2" PNEUPHONIC HORN, ASY. (Incl. Ref. Nos. 1 thru 7)	
1-1	3245	.SCREW, Rd.Hd.Mach., 1/4 x 3/4 in.	4
1-2	73530	.SCREW, Rd.Hd.Mach., 1/4 x 1-3/4 in.	2
1-3	10764	.WASHER, Lock. 1/4 in.	6
1-4	88762	.GASKET, Supply Port	1
1-5	517670	.DIAPHRAGM	1
1-6	93099	.BRACKET, Angle (Incl. Ref. 6A).	1
1-6A	515794	..PLUG, Splined Socket, 1/8 in.	1
1-7	540345	.BELL (15 in.).	1
	•79452	STRAINER (3/8 in. OB-1 Type)	

"D-5" PNEUPHONIC HORN

Figure 2

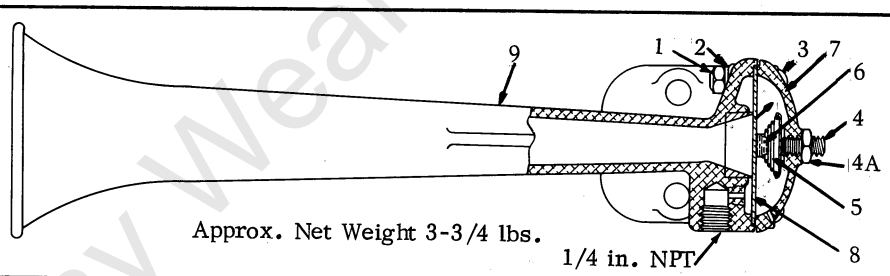

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
2-	551462	"D-5" (Lightweight) PNEUPHONIC HORN, Assembly (Incl. Ref. 1 to 9)	
2-1	502349	.NUT, Hex., 1/4 in.	4
2-2	10764	.WASHER, Lock, 1/4 in.	4
2-3	94266	.SCREW, Rd.Hd.Mach., 1/4 x 1-1/8 in.	4
2-4	514080	.SPRING SEAT, Asy. (Incl. Ref. 4A)	1
2-4A	514096	..NUT, Jam, 5/16 in.	1
2-5	514089	.SPRING	1
2-6	514090	.CONTACT, Spring	1
2-7	522242	.COVER	1
2-8	514088	.DIAPHRAGM	1
2-9	551580	.BODY and BELL	1
	•95309	STRAINER (1/4 in. OB-1 Type)	

• See Page 2 for Note

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"E-2" PNEUPHONIC HORN

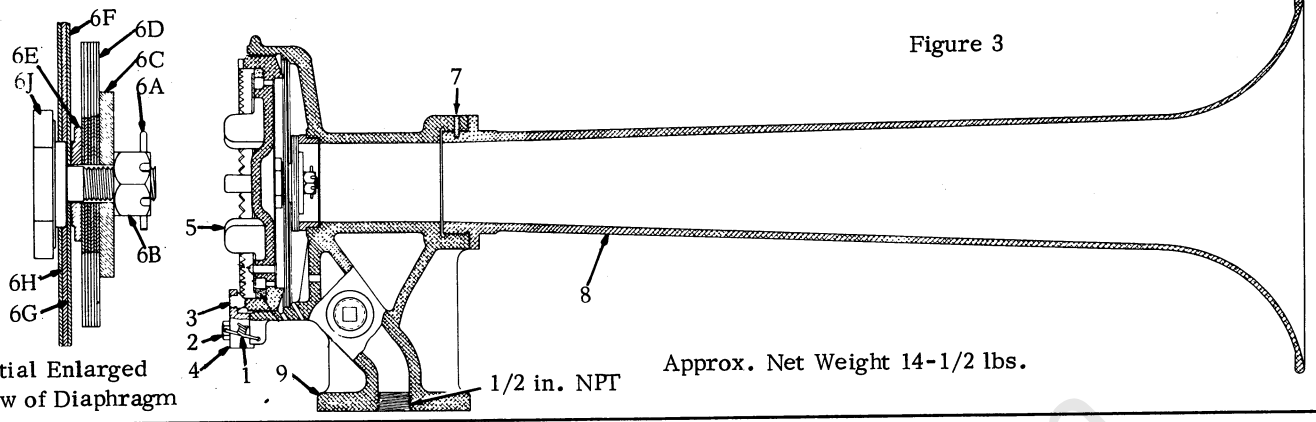

Figure 3

Partial Enlarged View of Diaphragm

Approx. Net Weight 14-1/2 lbs.

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
3-	546789	"E-2" PNEUPHONIC HORN, ASY. (Lightweight) (Incl. 1thru 9)	
3-1	534542	.SEAL, Wire	1
3-2	518066	.SCREW, Cap, H.Hd., 1/4 x 3/4 in. .	1
3-3	540635	.TIP, Locking	1
3-4	538771	.CLAMP, Cover	1
3-5	546517	.COVER	1
3-6	515411	.DIAPHRAGM, Assembly (Incl. Ref. No. 6A thru 6J)	1
3-6A	93261	..COTTER, 1/16 x 3/4 in.	1
3-6B	520189	..NUT, Hex., 5/16 in. (Castle) . .	1
3-6C	512774	..WASHER.	1
3-6D	512773	..DIAPHRAGM, Small.	6
3-6E	515410	..SPACER	1
3-6F	515408	..DIAPHRAGM, Inner	1
3-6G	515407	..DIAPHRAGM, Intermediate	1
3-6H	515406	..DIAPHRAGM, Outer.	1
3-6J	515405	..BOLT, Diaphragm.	1
3-7	17958	.PIN, 1/8 x 9/16 in..	1
3-8	515418	.BELL, 23 in.	1
3-9	546514	.BODY, Horn	1
•	6997	STRAINER (1/2 in. OB-2 Type)	

"B-7" PNEUPHONIC HORN

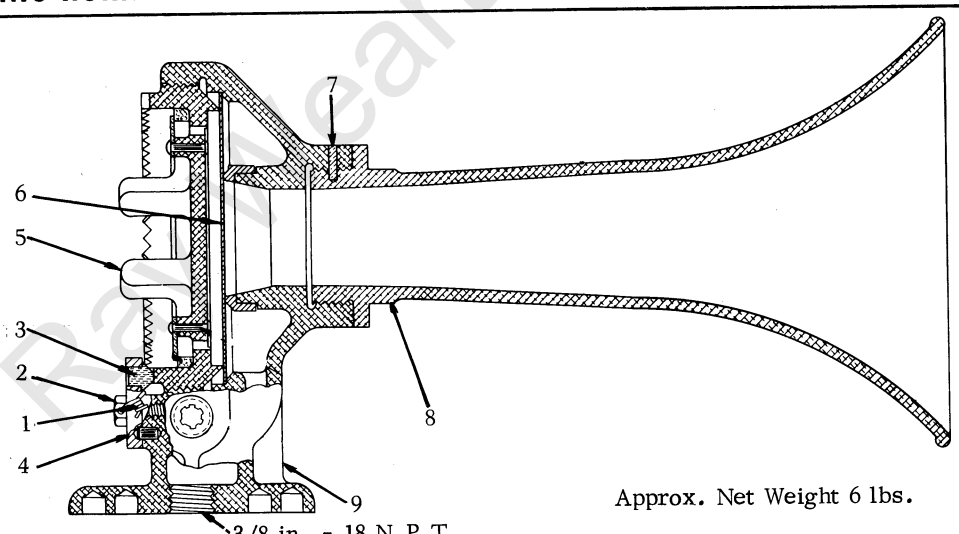

Figure 4

Approx. Net Weight 6 lbs.

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
4-	546507	"B-7" PNEUPHONIC HORN (Lightweight) Assembly (Incl. Ref. 1 thru 9)	
4-1	534542	.WIRE, Seal.	1
4-2	539280	.SCREW, Cap, H.Hd., 1/4 x 5/8 in. .	1
4-3	540635	.TIP, Locking	1
4-4	543635	.CLAMP, Cover	1
4-5	546523	.COVER	1
4-6	543630	.DIAPHRAGM	1
4-7	17958	.PIN, 1/8 x 9/16 in.	1
4-8	543637	.BELL	1
4-9	546520	.BODY	
•	79452	STRAINER (3/8 in. OB-1 Type)	

• See Page 2 for Note

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"AA-2" PNEUPHONIC HORN

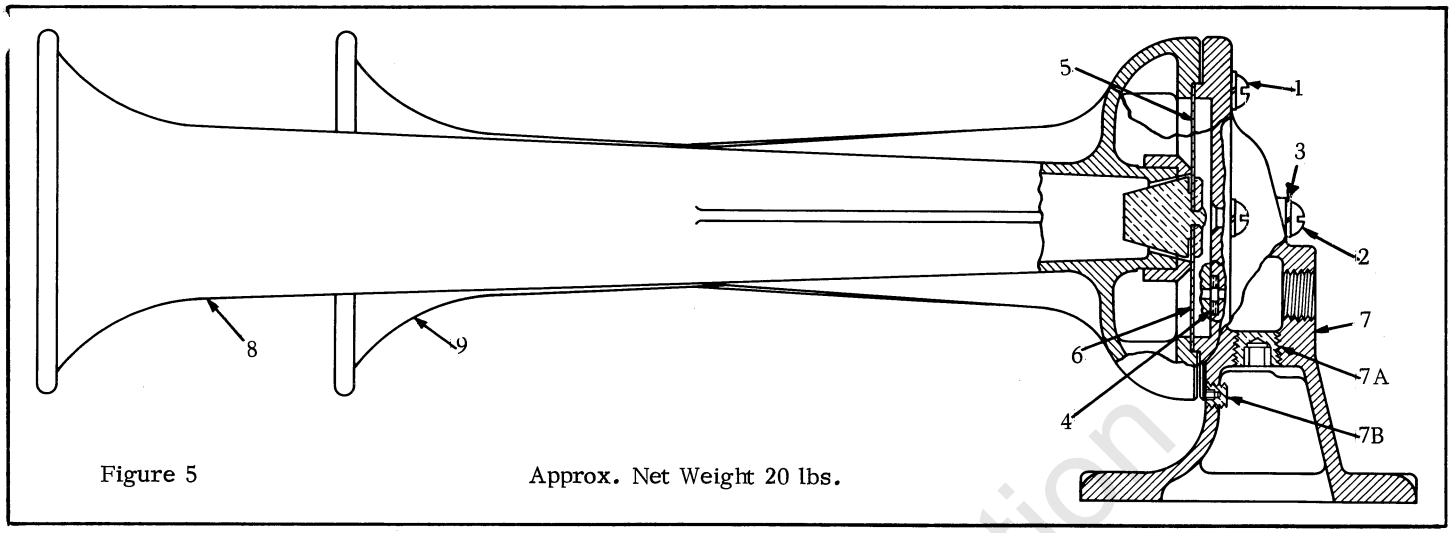


Figure 5 Approx. Net Weight 20 lbs.

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
5-	523543	"AA-2" PNEUPHONIC HORN, ASY. (Incl. Ref. Nos. 1 thru 9)	
5-1	3245	.SCREW, Rd.Hd.Mach., 1/4 x 3/4 in.	8
5-2	73530	.SCREW, Rd.Hd.Mach., 1/4 x 1-3/4 in.	4
5-3	10764	.WASHER, Lock, 1/4 in.	12
5-4	88762	.GASKET, Supply Port	2

•See page 2 for Note

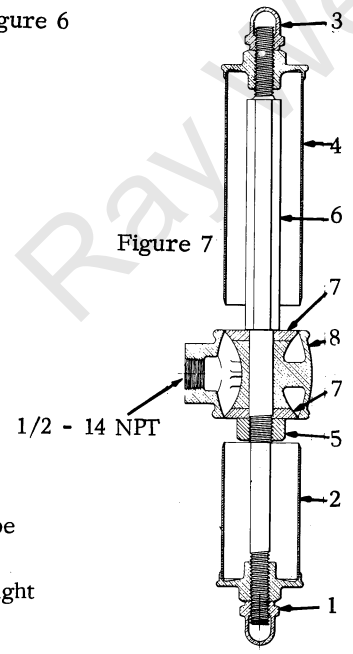
Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
5-5	517670	.DIAPHRAGM (for 15 in. Bell) . . .	1
5-6	517671	.DIAPHRAGM (for 11-5/32 in. Bell)	1
5-7	90153	.BRACKET, Angle (Incl. 7A & 7B) .	1
5-7A	520379	..PLUG, Pipe, Hex. Socket, 3/8 in.	1
5-7B	515794	..PLUG, Pipe, Splined Socket, 1/8 in.	1
5-8	540345	.BELL, 15 in., long	1
5-9	540347	.BELL, 11-5/32 in., Short	1
	• 79452	STRAINER (3/8 in. OB-1 Type)	

Figure 6

Trombone Type

Approx. Net Weight 3-1/4 lbs.

Figure 7



Clarion Type

Approx. Net Weight 5 lbs.

TROMBONE WHISTLE

Figure	Pc.No.	Parts Name
6-	21313	with 12 inch Body (1/2 in. Pipe Tap)
6-	564464	with 6 inch Body (1/2 in. Pipe Tap)

CLARION WHISTLE

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
7-	19046	CLARION WHISTLE, Asy. (Incl. Ref. Nos. 1 thru 8)	
7-1	18827	.NUT, Lock	1
7-2	18825	.BOWL, Short Whistle, 3-1/2 in. .	1
7-3	18827	.NUT, Lock	1
7-4	18823	.BOWL, Long Whistle, 6 in.	1
7-5	27009	.NUT, Hex., 5/8 in.	1
7-6	18820	.STEM	1
7-7	18828	.DISC	2
7-8	18821	.BODY, (1/2 in. Pipe Tap)	1

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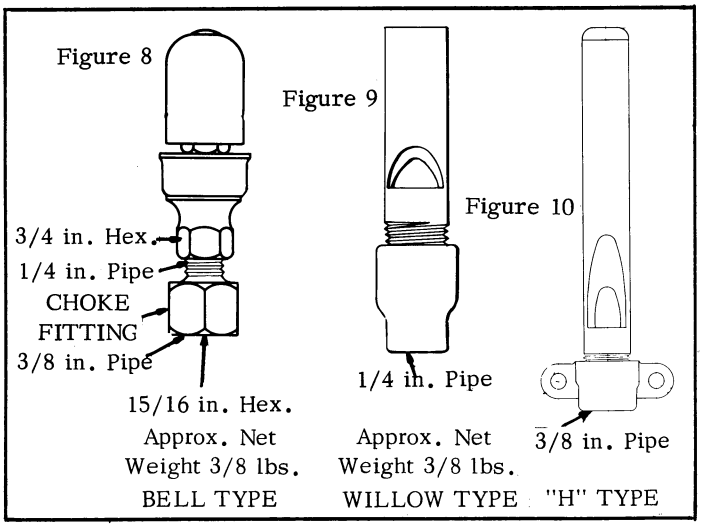
SIGNAL WHISTLES



BELL TYPE

Fig.	Pc.No.	Parts Name
8-	540801	SIGNAL WHISTLE, Bell Type, Low Pitch, with Choke
8-	538210	.SIGNAL WHISTLE
8-	524126	.CHOKE FITTING, 3/8 to 1/4 in. Adapter, 1/16 in. Dr.
8-	531596	SIGNAL WHISTLE, Bell Type, Medium Pitch, with Choke
8-	528638	.SIGNAL WHISTLE
8-	524126	.CHOKE FITTING, 3/8 to 1/4 in. Adapter, 1/16 in. Dr.
8-	538770	SIGNAL WHISTLE, Bell Type High Pitch, with Choke
8-	538406	.SIGNAL WHISTLE
8-	524126	.CHOKE FITTING, 3/8 to 1/4 in. Adapter, 1/16 in. Dr.

WILLOW TYPE

Fig.	Pc.No.	Parts Name
9-	40920	SIGNAL WHISTLE, Willow Type, 1/4 in. Pipe Tap

"H" TYPE

Fig.	Pc.No.	Parts Name
10-	95659	SIGNAL WHISTLE, "H" Type, 3/8 in. Pipe Tap (Approx. Net Weight 5-3/4 lbs.)

"P-1" WHISTLE VALVE

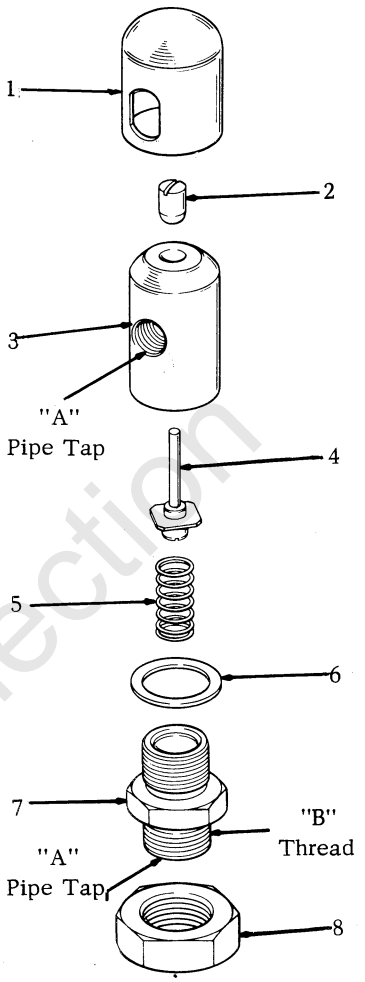


Figure 11 Approx. Net Weight 3/4 lbs.

Fig. & Ref.No.	Pc.No.			Parts Name	No. Req'd
	1/8 □3/4	1/4 13/16	1/4 13/16	"A" Pipe Tap (in.) "B" Thread (in.)	
11-	92441	515869	570628	"P-1" PUSH BUTTON WHISTLE VALVE, Asy. (Incl. 1 thru 8)	
11-1	92450	515846	570629	.PUSHER	1
11-2		92446		.CHECK, Exhaust .	1
11-3	92442	515844	515844	.BODY, Whistle Valve	1
11-4	92445	515849	515849	.VALVE with Stem .	1
11-5		*89642		.SPRING	1
11-6	92447	515865	515865	.GASKET, Ring . .	1
11-7	92448	515845	515845	.ADAPTER	1
11-8	44380	515848	515848	.NUT, Hex	1
	Brass	Chrome Plated	Blue Alum.	PUSHER	

□NOTE: Pipe Thread

* NOTE: For Spring Identification, see page 9

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"H-6" WHISTLE VALVES

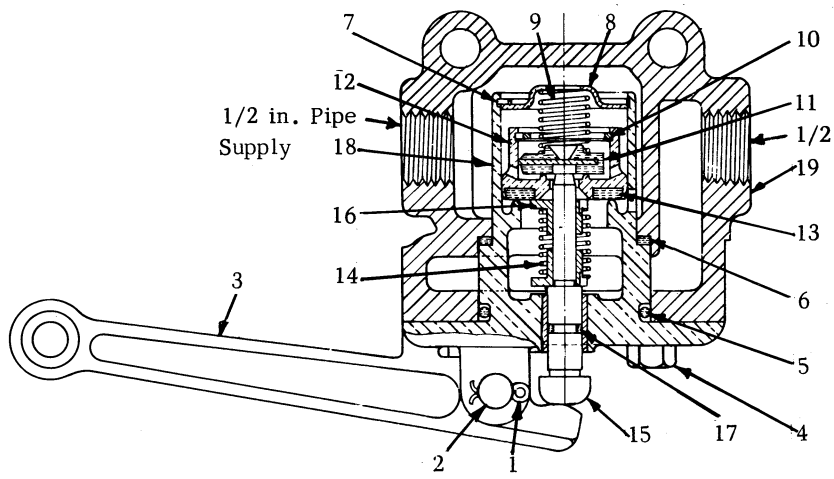
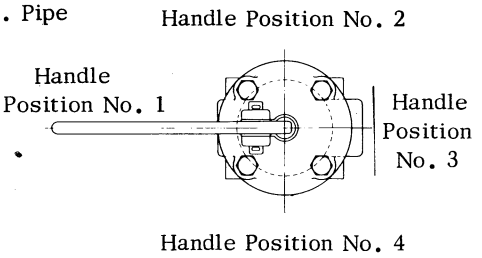


Figure 12



Assembly Pc.No.	Handle Position				Valve, Ref. 12		For Use With Horn	Approx. Net Weight (lbs.)
	No. 1	No. 2	No. 3	No. 4	Pc.No.	Choke (in.)		
♦543973	-0001	-0002	-0003	-0004	543974	.281 Dr.	E-2	5-1/2 lbs.
♦540520	-0001	-0002	-0003	-0004	540627	.313 Dr.	E-2B-1, E-2B-3 or two E-2's	
♦546169	-0001	-0002	-0003	-0004	546168	.252 Dr.	A-2, A-6	
♦548909	-0001	-0002	-0003	-0004	548908	.260 Dr.	B-7 and E-Type	

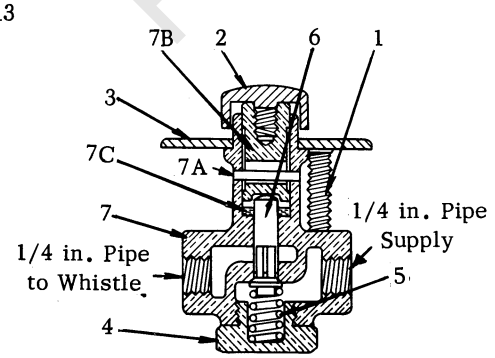
♦ NOTE: When ordering H-6 Whistle Valves, in every case the Assembly Pc.No. must be followed by a Suffix Numeral signifying the Handle Position as shown in the above schedule.

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
12-	▲	"H-6" WHISTLE VALVE, ASY. (Incl. Ref. Nos. 1 thru 19)	
12-1	2958	.COTTER, 3/32 x 5/8 in.	2
12-2	54330	.PIN, Handle	1
12-3	540632	.HANDLE	1
12-4	512434	.SCREW, Cap, H.Hd., 5/16 x 3/4 in.	4
12-5	570129	.RING, Packing, 1-7/8 x 1/8 in.	1
12-6	540542	.GASKET, Cover	1
12-7	525924	.RING, Retaining	1
12-8	540630	.STOP, Valve	1
12-9	★87571	.SPRING	1
12-10	541079	.RING, Retaining	1
12-11	505782	.VALVE, Check	1
12-12	▲	.VALVE, Choke (See Schedule)	1
12-13	540543	.SEAL, Valve	1
12-14	★87571	.SPRING	1
12-15	540629	.PLUNGER	1
12-16	540628	.SEAT, Spring	2
12-17	534662	.O-RING, 3/8 in. O.D	1
12-18	540626	.COVER, Body	1
12-19	540625	.BODY, Valve	1

▲ NOTE: Indicates variable details and Pc. Nos. as shown in schedule above.

"A" TYPE WHISTLE VALVE

Figure 13



Approx. Net Weight 2 lbs.

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
13-	85776	"A" TYPE WHISTLE VALVE, ASY. (FOOT OPERATED) (Incl. 1 thru 7C)	
13-1	85785	.SCREW, Fil.Hd.Mach., 5/16 x 1-3/4 in.	2
13-2	85784	.CAP, Plunger	1
13-3	85783	.PLATE, Escutcheon	1
13-4	85782	.NUT, Cap	1
13-5	★85781	.SPRING, Return	1
13-6	85780	.VALVE	1
13-7	85777	.BODY, Valve, Asy. (Incl. 7A to 7C)	1
13-7A	12561	..PIN, 1/8 x 29/32 in.	1
13-7B	85779	..PLUNGER	1
13-7C	83993	..GASKET	1

★ NOTE: For Spring Identification, see page 9.

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"H-2" and "H-2-A" TYPE WHISTLE VALVES

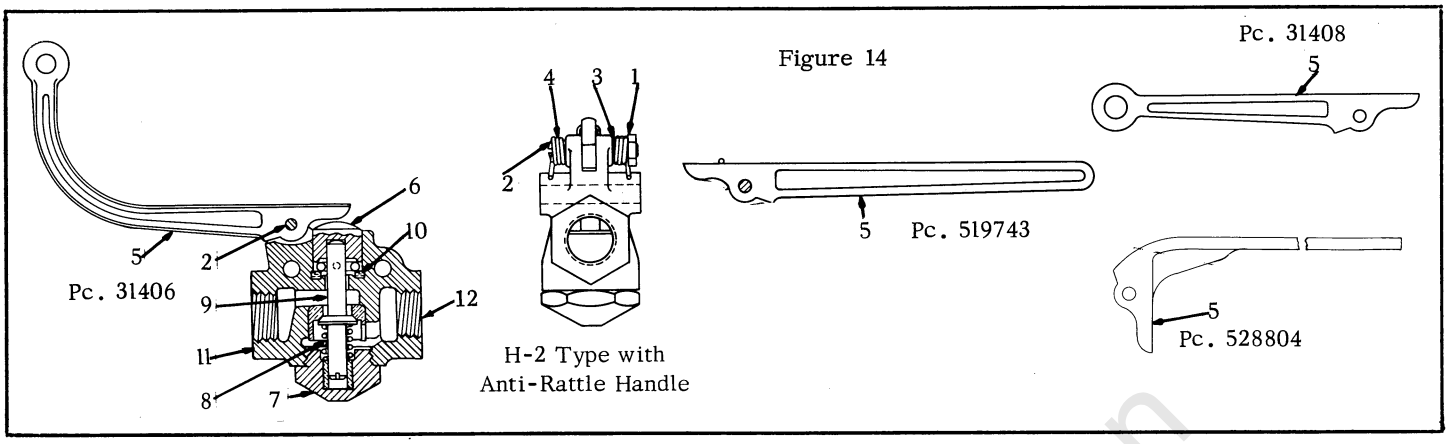


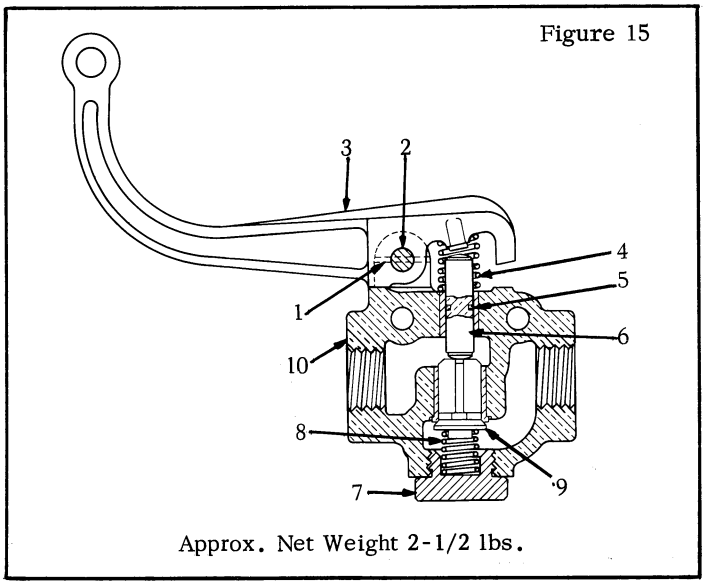
Fig. & Ref.No.	Pc.No. H-2	H-2	H-2	H-2	H-2-A	H-2-A	Parts Name Type	No. Req'd
14-	□ 519737	528805	538792	540584	90391	90692	WHISTLE VALVE, ASSEMBLY (Incl. Ref. 1 thru 11)	
14-1	519746	27396	27396	519746	27396	27396	.NUT, Handle Screw	1
14-2	519745	522544	522544	519745	522544	522544	.SCREW, Shouldered, Handle	1
14-3	519821	.....	.....	519821	.....	.....	.WASHER, Lock	1
14-4	* 519744	.....	.....	* 519744	.....	.....	.SPRING, Handle, Anti-Rattle	1
14-5	519743	528804	31406	31408	31406	31408	.HANDLE	1
14-6				90389			.PLUNGER	1
14-7				519741			.NUT, Cap	1
14-8				* 3503			.SPRING, Plunger	1
14-9				90388			.VALVE	1
14-10				90392			.GASKET, Seat	1
14-11	519738	519738	519738	519738	520857	520857	.BODY Valve	1
14-12	1/2 x 1/2	1/2 x 1/2	1/2 x 1/2	1/2 x 1/2	3/8 x 3/8	3/8 x 3/8	PIPE TAPS (in.)	
	1-3/4	2	2	1-3/4	1-1/4	1-1/4	APPROX. NET WEIGHT (lbs.)	

□ NOTE: Includes Anti-Rattle Handle

"H-3" TYPE WHISTLE VALVE

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
	529777	"H-3" TYPE WHISTLE VALVE, ASY. 1/2 x 1/2 in. Pipe Taps (Incl. Ref. Nos. 1 thru 10)	
15-1	12616	.PIN, 1/16 x 7/8 in.	1
15-2	27099	.PIN, Handle, 5/16 x 7/8 in.	1
15-3	532712	.HANDLE	1
15-4	*536270	.SPRING, Tension	1
15-5	534662	.O-RING, 3/8 in. O.D.	1
15-6	536269	.PLUNGER	1
15-7	526378	.NUT, Cap	1
15-8	*536270	.SPRING, Valve	1
15-9	536267	.VALVE, Wing	1
15-10	536266	.BODY, Valve	1

* NOTE: For Spring Identification, see page 9



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"H-1" TYPE WHISTLE VALVES

Fig. & Ref.No.	Pc.No.		Parts Name	No. Req'd
16-	31422		"H-1" WHISTLE VALVE, ASY. 1/2 x 3/8 in. Pipe Taps (Incl. Ref. Nos. 1 thru 8)	
16-		31419	"H-1" WHISTLE VALVE, ASY. 1/2 x 1/2 in. Pipe Taps (Incl. Ref. Nos. 1 thru 8)	
16-1	3504		.SCREW, Ov. Fil. Hd. Mach., .216 x 3/4 in.	1
16-2	31406	31408	.HANDLE	1
16-3	31415		.THIMBLE	1
16-4	3501		.NUT, Cap	1
16-5	* 3503		.SPRING	1
16-6	3500		.VALVE	1
16-7	526539		.SEAT, Thimble	1
16-8	31417	31414	.BODY, Valve	1

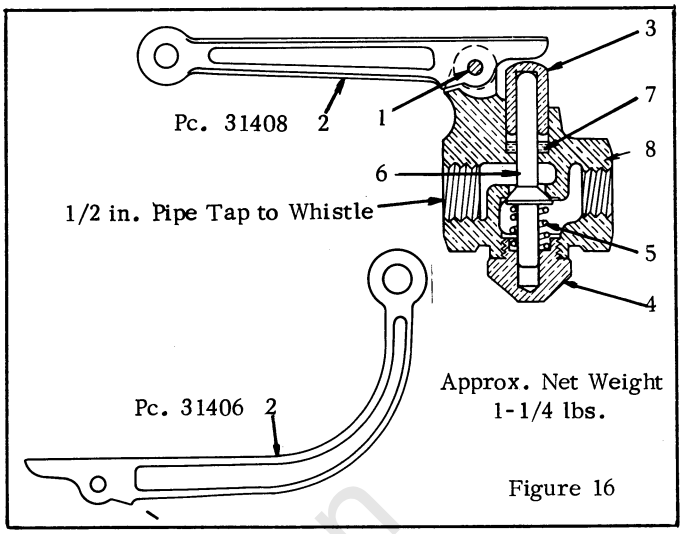


Figure 16

"H-4-A" TYPE WHISTLE VALVES

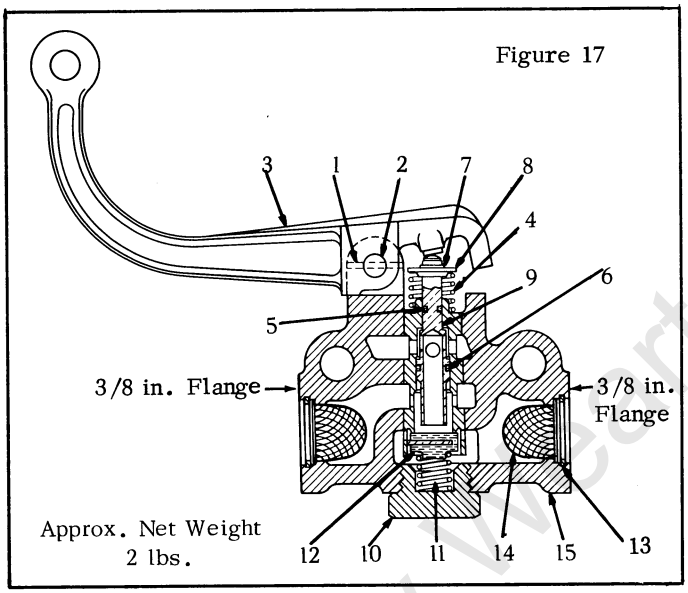
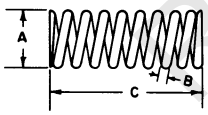


Figure 17

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
17-	533802	"H-4-A" WHISTLE VALVE ASSEMBLY (Incl. Ref. Nos. 1 thru 15)	
17-1	532799	.PIN, 1/16 x 3/4 in.	1
17-2	26963	.PIN, Handle, 5/16 x 7/8 in.	1
17-3	532712	.HANDLE	1
17-4	*48367	.SPRING, Return	1
17-5	524609	.O-RING, 1/4 in. O.D.	1
17-6	532268	.O-RING, 7/16 in. O.D.	1
17-7	528643	.RING, Retaining	1
17-8	532710	.SEAT, Spring.	1
17-9	532713	.PLUNGER.	1
17-10	526378	.NUT, Cap.	1
17-11	*185217	.SPRING, Check Valve	1
17-12	532715	.VALVE, Check.	1
17-13	529162	.RING, Retaining	2
17-14	521398	.FILTER.	2
17-15	532718	.BODY, Valve	1

SPRING IDENTIFICATION TABLE



The following table is shown to enable identification of the springs used in the devices cataloged herein. It is based on calculated figures and the actual spring will vary somewhat, due to the small difference in wire, coil diameter, number of turns, etc. This tabulation is intended for identification only and should not be used for any other purpose. It does not represent a specification for the springs mentioned.

Pc.No.	Approx. O.D. "A" in.	Approx. Wire Dia. "B" in.	Approx. Free Height "C" in.	Approx. No. Turns ■	Material
3503	15/32	1/16	21/32	6	St'less Steel
48367	9/16	3/64	1-1/4	5-1/2	Steel
85781	7/16	5/64	7/8	7	Ph.Bz.
87571	9/16	3/64	1-1/2	8	Steel

Pc.No.	Approx. O.D. "A" in.	Approx. Wire Dia. "B" in.	Approx. Free Height "C" in.	Approx. No. Turns *	Material
89642	7/16	1/32	13/16	6	Ph. Bz.
519744	Special Double Torsion Spring				Steel
536270	1/2	1/16	27/32	6-3/4	Steel
185217	1/32	1/32	25/32	6-1/2	Steel

■ Number of Turns for each spring counted between extreme ends of the wire.

Prices will be quoted upon application
Orders should give PIECE NUMBER and NAME of part wanted

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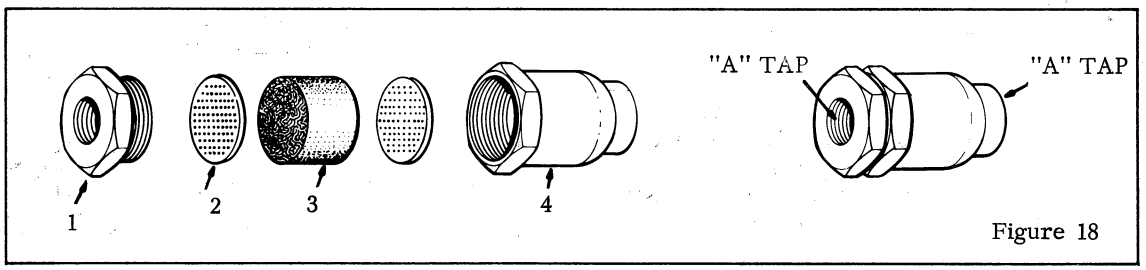

Figure 18

1/4 in. "OB-1" TYPE

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
18-	95309	1/4 in. "OB-1" AIR STRAINER, ASY. (Incl. Ref. 1 thru 4)	
18-1	99691	.NUT, Cap	1
18-2	79454	.PLATE, Strainer	2
18-3	2 grams	.HAIR, Pulled Curled.	1
18-4	95307	.BODY, Strainer	1
	1/4 in. NPT	"A" Tap	

3/8 in. "OB-1" TYPE

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
18-	79452	3/8 in. "OB-1" AIR STRAINER, ASY. (Incl. Ref. 1 thru 4)	
18-1	79455	.NUT, Cap	1
18-2	79454	.PLATE, Strainer	2
18-3	2 grams	.HAIR, Pulled Curled.	1
18-4	79453	.BODY, Strainer	1
	3/8 in. NPT	"A" Tap	

SMALL LINE STRAINERS

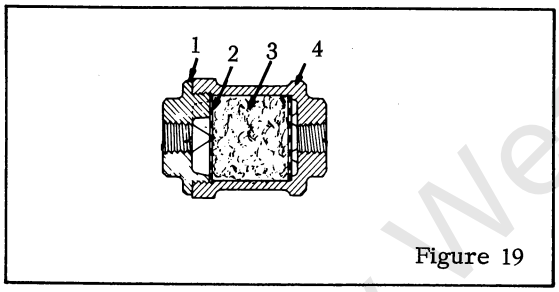

Figure 19

1/2 in. "OB-2" TYPE

Fig. & Ref.No.	Pc.No.	Parts Name	No. Req'd
Size	1/2	(in.) Tap Thread	
19-	6997	STRAINER, Asy.	1
19-1	50692	.NUT, Cap	1
19-2	1044	.PLATE, Strainer	2
19-3	1/2 oz.	.HAIR, Curled	1
19-4	6994	.BODY, Strainer	1

Approx. Net Weight 1-5/8 lb.

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